GOVERNMENT OF THE DISTRICT OF COLUMBIA

DEPARTMENT OF THE ENVIRONMENT
AIR QUALITY DIVISION

APPLICATION FOR PERMIT TO CONSTRUCT/OPERATE GAS CLEANING OR EMISSION CONTROL EQUIPMENT

(1a) _____
Business license name of organization applying for registration/permit

(1b) _____
Name of owner(s) or principal partner(s) of above organization

(2) _____
Mailing address of (1b) (No., Street, City, State, Zip)

(3) _____
Equipment location address

(4a) _____ (4b) _____
Signature of Owner/Operator Official Title

(4c) _____ (4d) _____
Type or print name above Emergency phone no. (Emergency or Business)

(5) Type of Application (check one)

Initial application (existing unit) ○ New unit (to be installed) ○ Change in existing unit ○ Change owner registered unit ○

(6) Major activity at this location (check one)

○ Mining ○ Quarry ○ Contract construct ○ Manufacturing ○ Other _____ (Specify)

○ Public Services ○ Retail/Wholesale Trade ○ School or Church ○ Hospital or Lab ○ Offices

○ Laundry Dry Cleaner ○ Hotel/ Motel ○ Entertainment (theatre, etc.) ○ Warehouse ○ Nursing Home

○ Residential Apartments _____ No. units using fuel burning equipment ○ Other _____ Specify

(7) Date of Application: _____ Date construction began: _____ Date construction completed: _____

(8) Type of equipment to which control equipment is attached: _____

_____

(9) Type of gas cleaning or emission control equipment:

I. ○ Baghouse/Fabric filter

Baghouse manufacturer: _____ Model: _____

Does the baghouse exhaust to the atmosphere?

○ Yes, indicate the stack height above ground, ft: _____ Inner diameter at exit, ft: _____
Exit gas temperature, °F: _____ Exit gas volume through stack, acfm: _____

○ No, indicate to where it exhausts: _____

How do you intend to monitor the operation of this baghouse?
○ Pressure drop Recording frequency: _____
○ Other: _____

Type of fabric: _____ Air to Cloth Ratio: _____ : _____

Emissions data: Data based on ○ Manufacturer's data ○ Stack test (Date _____)
Outlet concentration: _____ gr/dscf @ _____ % CO_2

Does the baghouse have a pressure drop gauge?
○ Yes, type _____ ○ No
Gas pressure drop: _____ (minimum) _____ (maximum) inches of water column)

Removal efficiency of baghouse: _____ %

II. ○ Afterburner (Thermal or Catalytic Oxidizer)

Afterburner manufacturer: _____ Model: _____

Does the afterburner exhaust to the atmosphere?

Yes, indicate the stack height above ground, ft: _____ Inner diameter at exit, ft: _____
Exit gas temperature, °F: _____ Exit gas volume through stack, acfm: _____

No, indicate to where it exhausts: _____

How do you intend to monitor the operation of this afterburner?
○ Combustion temperature ○ Inlet and outlet temperature ○ Other: _____

Does the afterburner have continuous temperature strip? ○ Yes ○ No

How will you keep records? ○ Continuous hardcopy readout

○ Manual readings. Interval: _____

○ Other: _____

III. ○

Other type: _____

Equipment Manufacturer and Model No.: _____

_____

Monitoring Parameters: _____ Unit: _____

_____ Unit: _____

Removal Efficiency: _____

(10) Emissions Data:
Data based on ○ Manufacturer's data ○ Stack test (Test date: _____)

○ Other: _____

Pollutant(s) Controlled	Inlet Pollutant Concentration (gr/acfm or ppm)	Capture Efficiency (%)	Outlet Pollutant Concentration (gr/acfm or ppm)	Removal Efficiency (%)

Burner fuel type: _____

Burner heat input: _____ million BTU/hr

Check one and complete the following required information:

○ Thermal Oxidizer
Combustion chamber volume _____ ft^3
Residence time: _____ sec
Total gas volume: _____ ft^3
Minimum operating temperature: _____ ^oF
Overall control efficiency: _____ %

○ Catalytic Oxidizer
Type of catalyst _____
Minimum temperature of gas stream entering the catalyst bed: _____ ^oF
Minimum temperature of flue gas leaving the catalyst bed: _____ ^oF
Overall control efficiency _____ %

NOTE:

1. Deviations from approved plans and specifications are not permissible without securing the formal approval of the District Department of the Environment, Air Quality Division.

2 The complete application and applicable supporting documentation must be submitted to the following address:

Air Quality Division
1200 First Street NE, 5th Floor
Washington, DC 20002